



August 4-9, 2024
Songdo Convensia, Incheon, Korea

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| Session Title: | [Tu2E] Optical Metrology III |
| Session Date: | August 6 (Tue.), 2024 |
| Session Time: | 16:00-17:30 |
| Session Room: | Room E (114) |
| Session Chair(s) | Prof. Hanzhong Wu (Huazhong Univ. of Science and Tech., China), Dr. Yoon-Soo Jang (KRISS, Korea) |

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| [Tu2E-1] [Invited] | 16:00-16:30 |
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Direct Measurement of Underwater Sound Velocity Based on Dual Comb System

Haihan Zhao, Xiaobo Li, Haonan Shi, Jingsheng Zhai, and Bin Xue (Tianjin Univ., China)

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| [Tu2E-2] | 16:30-16:45 |
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Photo-induced Surface Vibration Movie with 23,000 Frames using Dual-comb Based Asynchronous Optical Sampling System

D. Nishikawa, K. Maezawa, R. Shibata, and S. Watanabe (Keio Univ., Japan)

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| [Tu2E-3] | 16:45-17:00 |
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Coherent-Controllable Vis-NIR Dual-Comb Spectroscopy with a High-Power, High-Coherence Fiber Comb System

Ruichen Zhu, Haochen Tian, Takashi Kato, Akifumi Asahara, and Kaoru Minoshima (The Univ. of Electro-Communications, Japan)

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| [Tu2E-4] | 17:00-17:15 |
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Generation of Long-Wavelength Infrared Frequency Comb Generation Based on a Dual-comb Fiber Laser

Kousuke Kubota, Ryusei Uchiyama, Takumi Yumoto (Toho Univ., Japan), Wataru Kokuyama (Nat'l Metrology Inst. of Japan/AIST, Japan), Peter G. Schunemann (BAE Systems, USA), and Yoshiaki Nakajima (Toho Univ., Japan)

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| [Tu2E-5] | 17:15-17:30 |
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Measurement of Gas Temperature and Concentration Based on a Simplified Spectral Normalization Method in Dual-Comb Spectroscopy

Naoki Takeshi, Ryusei Uchiyama, Kousuke Kubota, Takumi Yumoto (Toho Univ., Japan), Yohei Sugiyama, Feng-Lei Hong (Yokohama Nat'l Univ., Japan), and Yoshiaki Nakajima (Toho Univ., Japan)